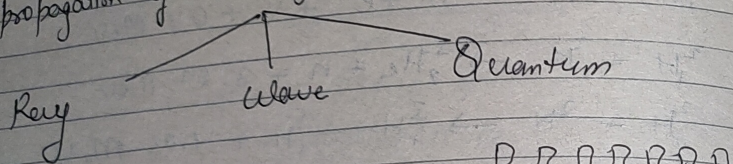


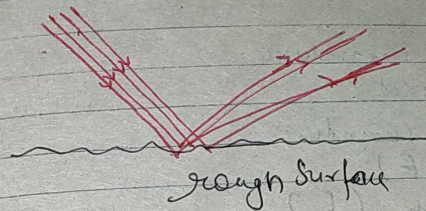
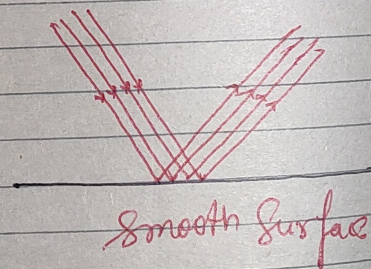
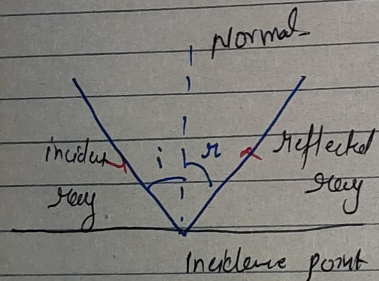
Optics :- The branch of physics which deal with study of nature, production and propagation of light is called Optics



→ Ray of light :- Imaginary line through which light energy transferred from one point to other.

Reflection of light

The phenomenon in which bounce back of light in same medium when light strike at the surface of body, is called reflection of light.



Laws of Reflection

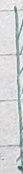
Angle of incidence is equal to angle of reflection
 $\angle i = \angle r$

Incident ray, reflected ray and Normal lie on the same plane.

Mirror

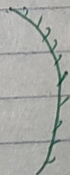
Highly polished surface from which most of light is reflected which is incident on it is called mirror.

Plane mirror Spherical mirror



Plane mirror

Concave mirror



Convex mirror

